

ATom - DC-8 10/01/17 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Sunday, October 1, 2017

Mission: ATom

Mission Summary:

Science report for ATom-3 PMD-ANC flight

Submitted by: Erin Czech on 05/30/18

File:

 [PMD-ANC Report draft.pdf](#)

Related Flight Report:

DC-8 10/01/17 - 10/02/17

Flight Number: 1223

Payload Configuration: ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SPAN, TOGA, UCATS, WAS

Nav Data Collected: Yes

Total Flight Time: 10 hours

Archive Data: [20171001](#) (78 archive (plain-text) files; 4 binary files)

Submitted by: Timothy Moes on 10/01/17

Flight Segments:

From:	KPMD	To:	PANC - Anchorage International
Start:	10/01/17 16:06 Z	Finish:	10/02/17 02:05 Z
Flight Time:	10 hours		
Log Number:	188001	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		
Comments:	ATom-3 Science Flight RF02 KPMD-PANC. This flight consisted of 4 vertical profile maneuvers over the Atlantic Ocean south of Alaska, then low altitude flight over the Arctic Ocean, a low-approach over Barrow, AK and then transit to Anchorage. The science payload did well. One science instrument needs to replace and functionally test an internal laser prior to the next flight. The aircraft returned in good shape.		

Flight Hour Summary:

	188001
Flight Hours Approved in SOFRS	107.6
Total Used	103.5
Total Remaining	4.1

188001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/01/17 - 10/02/17	1223	Science	10	10	97.6	
10/04/17 - 10/05/17	1224	Science	7.4	17.4	90.2	
10/06/17 - 10/07/17	1225	Science	8.9	26.3	81.3	
10/09/17 - 10/10/17	1226	Science	9.2	35.5	72.1	

10/12/17 - 10/13/17	1227	Science	9.9	45.4	62.2
10/14/17	1228	Science	10.7	56.1	51.5
10/17/17	1229	Science	9.5	65.6	42
10/19/17	1230	Science	4.6	70.2	37.4
10/20/17	1231	Science	7.7	77.9	29.7
10/23/17	1232	Science	9.5	87.4	20.2
10/25/17	1233	Science	9.6	97	10.6
10/27/17 - 10/28/17	1234	Science	6.5	103.5	4.1

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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